

## OPEN PEER REVIEW REPORT 1

**Name of journal:** Neural Regeneration Research

**Manuscript NO:** NRR-D-20-00456

**Title:** Sleep disorders in Alzheimer's disease: the predictive roles and potential mechanisms

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**Reviewer's country:** Japan

### COMMENTS TO AUTHORS

This paper describes role and mechanisms of Sleep disorders in Alzheimer's disease. The manuscript is well written and worth publishing in NRR if following question were properly answered.

In page 2 "2.1 Abnormal NREM sleep" section authors described "the AD rats of 4month of age--". Rats should be mice and authors should complete the source of the information in References section. Many other incomplete delineation of citations were found in References as well. Discussion dealing with APPswe/PS1 $\Delta$ E9 transgenic mice as AD model should be carefully validated as they produce neither senile plaque nor neurofibrillary tangle even in 24 months of age.

The same criticism could also be directed to several contents in sections "3.1 Orexinergic system dysregulation", "3.2 Glutamatergic and GABAergic system dysregulation" and "3.3 Circadian rhythm dysregulation".